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## RAW SEQUENCE LISTING

DATE: 07/20/2001

PATENT APPLICATION: US/09/894,924

TIME: 12:21:54

Input Set : N:\Crf3\RULE60\09894924.txt

Output Set: N:\CRF3\07202001\I894924.raw

ENTERED

```

3 <110> APPLICANT: ASHKENAZI, AVI J
4     BOTSTEIN, DAVID
5     DODGE, KELLY H.
6     GURNEY, AUSTIN L.
7     KIM, KYUNG JIN
8     LAWRENCE, DAVID A.
9     PITTI, ROBERT
10    ROY, MARGARET A
11    TUMAS, DANIEL B
12    WOOD, WILLIAM I.
14 <120> TITLE OF INVENTION: Dcr3 Polypeptide, A TNFR Homolog
16 <130> FILE REFERENCE: P1134R2 REVISED
18 <140> CURRENT APPLICATION NUMBER: 09/894,924
19 <141> CURRENT FILING DATE: 2001-06-28
21 <150> PRIOR APPLICATION NUMBER: US 09/157,289
22 <151> PRIOR FILING DATE: 1998-09-18
24 <150> PRIOR APPLICATION NUMBER: US 60/059,288
25 <151> PRIOR FILING DATE: 1997-09-18
27 <150> PRIOR APPLICATION NUMBER: US 60/094,640
28 <151> PRIOR FILING DATE: 1998-07-30
30 <160> NUMBER OF SEQ ID NOS: 18
32 <210> SEQ ID NO: 1
33 <211> LENGTH: 300
34 <212> TYPE: PRT
35 <213> ORGANISM: Homo sapiens
37 <400> SEQUENCE: 1
38 Met Arg Ala Leu Glu Gly Pro Gly Leu Ser Leu Leu Cys Leu Val
39   1           5           10           15
41 Leu Ala Leu Pro Ala Leu Leu Pro Val Pro Ala Val Arg Gly Val
42           20           25           30
44 Ala Glu Thr Pro Thr Tyr Pro Trp Arg Asp Ala Glu Thr Gly Glu
45           35           40           45
47 Arg Leu Val Cys Ala Gln Cys Pro Pro Gly Thr Phe Val Gln Arg
48           50           55           60
50 Pro Cys Arg Arg Asp Ser Pro Thr Thr Cys Gly Pro Cys Pro Pro
51           65           70           75
53 Arg His Tyr Thr Gln Phe Trp Asn Tyr Leu Glu Arg Cys Arg Tyr
54           80           85           90
56 Cys Asn Val Leu Cys Gly Glu Arg Glu Glu Glu Ala Arg Ala Cys
57           95          100          105
59 His Ala Thr His Asn Arg Ala Cys Arg Cys Arg Thr Gly Phe Phe
60          110          115          120
62 Ala His Ala Gly Phe Cys Leu Glu His Ala Ser Cys Pro Pro Gly
63          125          130          135
65 Ala Gly Val Ile Ala Pro Gly Thr Pro Ser Gln Asn Thr Gln Cys
66          140          145          150
68 Gln Pro Cys Pro Pro Gly Thr Phe Ser Ala Ser Ser Ser Ser

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69		155		160		165
71	Glu Gln Cys Gln Pro His Arg Asn Cys Thr Ala Leu Gly Leu Ala					
72		170		175		180
74	Leu Asn Val Pro Gly Ser Ser Ser His Asp Thr Leu Cys Thr Ser					
75		185		190		195
77	Cys Thr Gly Phe Pro Leu Ser Thr Arg Val Pro Gly Ala Glu Glu					
78		200		205		210
80	Cys Glu Arg Ala Val Ile Asp Phe Val Ala Phe Gln Asp Ile Ser					
81		215		220		225
83	Ile Lys Arg Leu Gln Arg Leu Leu Gln Ala Leu Glu Ala Pro Glu					
84		230		235		240
86	Gly Trp Gly Pro Thr Pro Arg Ala Gly Arg Ala Ala Leu Gln Leu					
87		245		250		255
89	Lys Leu Arg Arg Arg Leu Thr Glu Leu Leu Gly Ala Gln Asp Gly					
90		260		265		270
92	Ala Leu Leu Val Arg Leu Leu Gln Ala Leu Arg Val Ala Arg Met					
93		275		280		285
95	Pro Gly Leu Glu Arg Ser Val Arg Glu Arg Phe Leu Pro Val His					
96		290		295		300

98 &lt;210&gt; SEQ ID NO: 2

99 &lt;211&gt; LENGTH: 1114

100 &lt;212&gt; TYPE: DNA

101 &lt;213&gt; ORGANISM: Homo sapiens

103 &lt;220&gt; FEATURE:

104 &lt;221&gt; NAME/KEY: Unsure

105 &lt;222&gt; LOCATION: 1090

106 &lt;223&gt; OTHER INFORMATION: Unknown base

108 &lt;400&gt; SEQUENCE: 2

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109 tccgcaggcg gaccgggggc aaaggaggtg gcatgtcggt caggcacagc 50
111 agggctcctgt gtccgcgctg agccgcgctc tccctgctcc agcaaggacc 100
113 atgagggcgc tggaggggcc aggcctgtcg ctgctgtgcc tgggtgttggc 150
115 gctgcctgcc ctgctgccgg tgccggctgt acgcgagtg gcagaaacac 200
117 ccacctaccc ctggcgggac gcagagacag gggagcggct ggtgtgcgcc 250
119 cagtgcctccc caggcacctt tgtgcagcgg ccgtgccgcc gagacagccc 300
121 cacgacgtgt ggcccgtgtc caccgcgcca ctacacgcag ttctggaact 350
123 acctggagcg ctgccgctac tgcaacgtcc tctgcgggga gcgtgaggag 400
125 gaggcacggg cttgccacgc caccacaaac cgtgcctgcc gctgccgcac 450
127 cggtctcttc gcgcacgctg gtttctgctt ggagcacgca tcgtgtccac 500
129 ctggtgccgg cgtgattgcc ccgggcaccc ccagccagaa cacgcagtgc 550
131 cagccgtgcc ccccaggcac cttctcagcc agcagctcca gctcagagca 600
133 gtgccagccc caccgcaact gcacggccct gggcctggcc ctcaatgtgc 650
135 caggctcttc ctcccatgac acctgtgca ccagctgcac tggcttcccc 700
137 ctcagcacca ggggtaccag agctgaggag tgtgagcgtg ccgtcatcga 750
139 ctttgtggct ttccaggaca tctccatcaa gaggctgcag cggctgctgc 800
141 aggccctcga ggccccggag ggctggggtc cgacaccaag ggcgggccgc 850
143 gcggccttgc agctgaagct gcgtcggcgg ctacacggag tcctgggggc 900
145 gcaggacggg gcgctgctgg tgcggctgct gcaggcgtg cgctgggcca 950
147 ggatgcccgg gctggagcgg agcgtccgtg agcgttccct ccctgtgcac 1000
149 tgatcctggc cccctcttat ttattctaca tccttggcac cccacttgca 1050

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```

W--> 151 ctgaaagagg ctttttttta aatagaagaa atgaggtttn ttaaaaaaaaa 1100
153 aaaaaaaaaa aaaa 1114
155 <210> SEQ ID NO: 3
156 <211> LENGTH: 491
157 <212> TYPE: DNA
158 <213> ORGANISM: Unknown
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Unknown organism
163 <220> FEATURE:
164 <221> NAME/KEY: unsure
165 <222> LOCATION: 62, 73, 86, 98
166 <223> OTHER INFORMATION: unknown base
168 <400> SEQUENCE: 3
169 gccgagacag cccacgacg tgtggcccgt gtccaccgcg ccactacacg 50
W--> 171 cagttctgga antaactgga gcnctgcccgc tactgnaacg tcctctgngg 100
173 ggagcgtgag gaggaggcac gggcttgcca cgccaccac aaccgtgcct 150
175 gccgctgccg caccggcttc ttcgcgcacg ctggtttctg cttggagcac 200
177 gcacgtgtgc cacctggtgc cggcgtgatt gcccgggca ccccagcca 250
179 gaacacgcag tgcctagccg tgccccccag gcaccttctc agccagcagc 300
181 tccagctcag agcagtgcc gcccaccgc aactgcacgg ccctgggcct 350
183 ggccctcaat gtgccaggct ctctctccca tgacacctg tgcaccagct 400
185 gcactggctt cccctcagc accagggtac caggagctga ggagtgtgag 450
187 cgtgccgtca tgcactttgt ggctttccag gacatctcca t 491
189 <210> SEQ ID NO: 4
190 <211> LENGTH: 73
191 <212> TYPE: DNA
192 <213> ORGANISM: Unknown
194 <220> FEATURE:
195 <223> OTHER INFORMATION: Unknown organism
197 <400> SEQUENCE: 4
198 gccgagacag cccacgacg tgtggcccgt gtccaccgcg ccactacacg 50
200 cattctggaa ctacctggag cgc 73
202 <210> SEQ ID NO: 5
203 <211> LENGTH: 271
204 <212> TYPE: DNA
205 <213> ORGANISM: Unknown
207 <220> FEATURE:
208 <223> OTHER INFORMATION: Unknown organism
210 <220> FEATURE:
211 <221> NAME/KEY: unsure
212 <222> LOCATION: 42, 62, 73, 86, 98, 106, 120, 122, 153, 167, 184, 220, 233
213 <223> OTHER INFORMATION: unknown base
215 <400> SEQUENCE: 5
W--> 216 gccgagacag cccacgacg tgtggcccgt gtccaccgcg cnactacacg 50
W--> 218 cagttctgga antaactgga gcnctgcccgc tactgnaacg tcctctgngg 100
W--> 220 ggagcgtgag gaggaggcan gngcttgcca cgccaccac aaccgtgcct 150
W--> 222 gcnctgacg caccggnctt ttcgcgcacg ctgntttctg cttggagcac 200
W--> 224 gcacgtgtgc cacctggtgn cggcgtgatt gcnccgggca ccccagcca 250
226 gaacacgcag gcaaagccgt g 271

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Input Set : N:\Crf3\RULE60\09894924.txt

Output Set: N:\CRF3\07202001\I894924.raw

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228 <210> SEQ ID NO: 6
229 <211> LENGTH: 201
230 <212> TYPE: DNA
231 <213> ORGANISM: Unknown
233 <220> FEATURE:
234 <223> OTHER INFORMATION: Unknown organism
236 <220> FEATURE:
237 <221> NAME/KEY: unsure
238 <222> LOCATION: 182
239 <223> OTHER INFORMATION: unknown base
241 <400> SEQUENCE: 6
242  gcagttctgg aactacctgg agcgctgccg ctactgcaac gtcctctgcg 50
244  gggagcgtga ggaggaggca cgggcttgcc acgccacca caaccgtgcc 100
246  tgccgctgcc gcaccggctt cttcgcgcac gctggtttct gcttgagca 150
W--> 248  cgcacgtgt ccacctggtg ccggcgtgat tnccccgggc acccccagcc 200
250  a 201
252 <210> SEQ ID NO: 7
253 <211> LENGTH: 277
254 <212> TYPE: DNA
255 <213> ORGANISM: Unknown
257 <220> FEATURE:
258 <223> OTHER INFORMATION: Unknown organism
260 <220> FEATURE:
261 <221> NAME/KEY: unsure
262 <222> LOCATION: 142
263 <223> OTHER INFORMATION: unknown base
265 <400> SEQUENCE: 7
266  gaggggcccc caggagtggg ggccggagggt gtggcagggg tcaggttgc 50
268  ggtcccagcc ttgcacctg agctaggaca ccagttcccc tgacctgtt 100
W--> 270  ctccctcct ggctgcaggc acccccagcc agaacacgca gnccagccgt 150
272  gccccccagg caccttctca gccagcagct ccagctcaga gcagtgccag 200
274  cccaccgca actgcacggc cctgggcctg gccctcaatg tgccaggctc 250
276  ttctcccat gacacctgt gcaccag 277
278 <210> SEQ ID NO: 8
279 <211> LENGTH: 199
280 <212> TYPE: DNA
281 <213> ORGANISM: Unknown
283 <220> FEATURE:
284 <223> OTHER INFORMATION: Unknown organism
286 <400> SEQUENCE: 8
287  gcacgtgtc cacctggtgc cggcgtgatt gccccgggca cccccagcca 50
289  gaacacgcag gcctagccgt gccccccagg caccttctca gccagcagct 100
291  ccagctcaga gcagtgccag cccaccgca actgcacggc cctgggcctg 150
293  gccctcaatg tgccaggctc ttctcccat gacacctgt gcaccagct 199
295 <210> SEQ ID NO: 9
296 <211> LENGTH: 226
297 <212> TYPE: DNA
298 <213> ORGANISM: Unknown
300 <220> FEATURE:

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DATE: 07/20/2001

PATENT APPLICATION: US/09/894,924

TIME: 12:21:54

Input Set : N:\Crif3\RULE60\09894924.txt

Output Set: N:\CRF3\07202001\I894924.raw

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301 <223> OTHER INFORMATION: Unknown organism
303 <220> FEATURE:
304 <221> NAME/KEY: unsure
305 <222> LOCATION: 4, 9, 12, 165
306 <223> OTHER INFORMATION: unknown base
308 <400> SEQUENCE: 9
W--> 309 agcngtgcnc cncaggcacc ttctcagcca gcagttccag ctcagagcag 50
      311 tgccagcccc accgcaactg cacggccctg ggccctggccc tcaatgtgcc 100
      313 aggctcttcc tcccatgaca cgctgtgcac cagctgcact ggcttcccc 150
W--> 315 tcagcaccag ggtancagga gctgaggagt gtgagcgtgc cgtcatcgac 200
      317 tttgtggctt tccaggacat ctccat 226
319 <210> SEQ ID NO: 10
320 <211> LENGTH: 283
321 <212> TYPE: DNA
322 <213> ORGANISM: Homo sapiens
324 <220> FEATURE:
325 <221> NAME/KEY: Unsure
326 <222> LOCATION: 1-283
327 <223> OTHER INFORMATION: Unknown organism
329 <220> FEATURE:
330 <221> NAME/KEY: unsure
331 <222> LOCATION: 27, 64, 140
332 <223> OTHER INFORMATION: unknown base
334 <400> SEQUENCE: 10
W--> 335 cttgtccacc tgggtgccggc gtgattnccc gggcaccccc agccagaaca 50
W--> 337 cgcagtgccca gccntcccc caggcacctt ctcagccagc agctccagct 100
W--> 339 cagagcagtg ccagccccac cgcaactgca acgccctggc ctggccctca 150
      341 atgtgccagg ctcttcctcc catgacaccc tgtgcaccag ctgcactggc 200
      343 ttccccctca gcaccagggt accaggagct gaggagtgtg agcgtgccgt 250
      345 catcgacttt gtggttttcc aggacatctc cat 283
347 <210> SEQ ID NO: 11
348 <211> LENGTH: 21
349 <212> TYPE: DNA
350 <213> ORGANISM: Unknown
352 <220> FEATURE:
353 <223> OTHER INFORMATION: Unknown organism
355 <400> SEQUENCE: 11
356 cacgctgggt tctgcttgga g 21
358 <210> SEQ ID NO: 12
359 <211> LENGTH: 22
360 <212> TYPE: DNA
361 <213> ORGANISM: Unknown
363 <220> FEATURE:
364 <223> OTHER INFORMATION: Unknown organism
366 <400> SEQUENCE: 12
367 agctggtgca cagggtgtca tg 22
369 <210> SEQ ID NO: 13
370 <211> LENGTH: 53
371 <212> TYPE: DNA

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## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/894,924

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Input Set : N:\Crif3\RULE60\09894924.txt

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L:151 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:218 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:220 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:222 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:248 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9  
L:315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9  
L:335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10  
L:337 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10  
L:339 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10